

15/15 BRUSHING & SCRUBBING
Rotary Brushes.

1874

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BROSSE ROTATIVE, PAR MM. MULLER ET JAILLET.

103684
 MAR. 30 - 1874

Fig. 1. Coupe longitudinale.

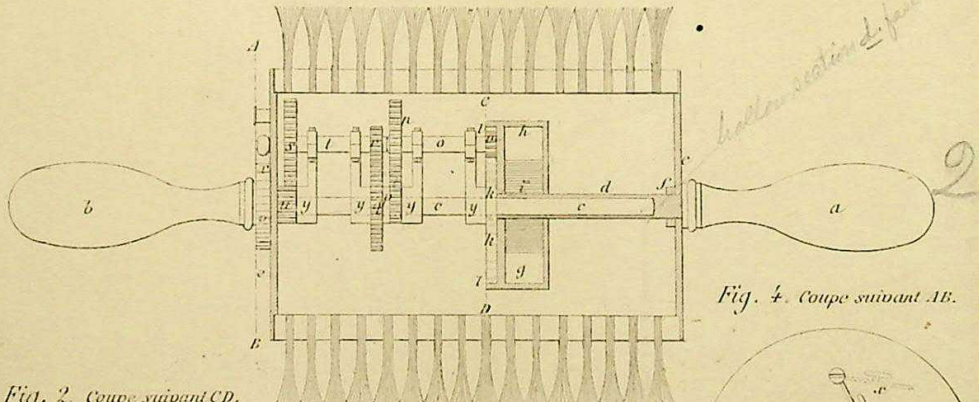


Fig. 4. Coupe suivant AB.

Fig. 2. Coupe suivant CD.

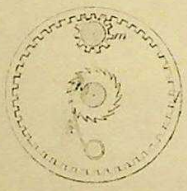
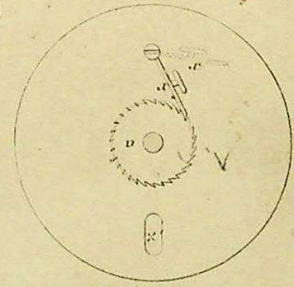


Fig. 3.

Vue de face d'un coussinet.



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FRENCH PATENT No. 103684, dated March 30 1874, to Messrs. MULLER and JAILLET, for a new Rotary Brush with Interior Movement.

Pl. I.

The new rotary brush with interior movement consists of a mechanical organ placed in the interior of a circular cylindric brush to impress upon it a movement of rotation about an axis held in hand by means of two handles a, b.

This interior axis or shaft is composed of two parts, one full c and one empty d, the full penetrating into the empty on a fraction of its length.

The hollow part is fixed to the handle a; it traverses the metallic bottom e of the brush and is held in the inside by a washer f.

It carries at its end a metallic box or barrel g in which is a spiral spring; one of the ends of this spring is fixed to the box at h, the other to the shaft itself at i; we wind this spring around the shaft d, while giving the handle a a movement of rotation by hand while holding the handle b with the other hand.

A pawl and ratchet k allow of winding up the spring.

The spring by unwinding draws with it the barrel, which bears on one outside face an internally toothed spur gear l; this wheel moves the pinion m, which carries the wheel n by means of the shaft o.

2 The wheel n carries the pinion p, which turns about the full shaft, as well as the wheel q which is one piece with it.

The wheel q moves the pinion r, which draws the wheel s by means of the shaft t; the wheel s turns the pinion u, in one piece with the metallic bottom of the brush and gives it a movement of rotation about the full shaft c which remains fixed.

We start or stop the motion of rotation of the brush by means of the ratchet y and the rod x which is moved by hand.

The dotted part of the section on AB indicates the position of the rod x when the brush is operating.

We can moderate the speed of the brush by pressing on the handles in the direction of the axis, which increases the friction.

The shafts o, t are supported and held fixed by the cushions y, which are fixed to the full shaft by a key z or a pressure screw.

An opening z' allows of lubrication.